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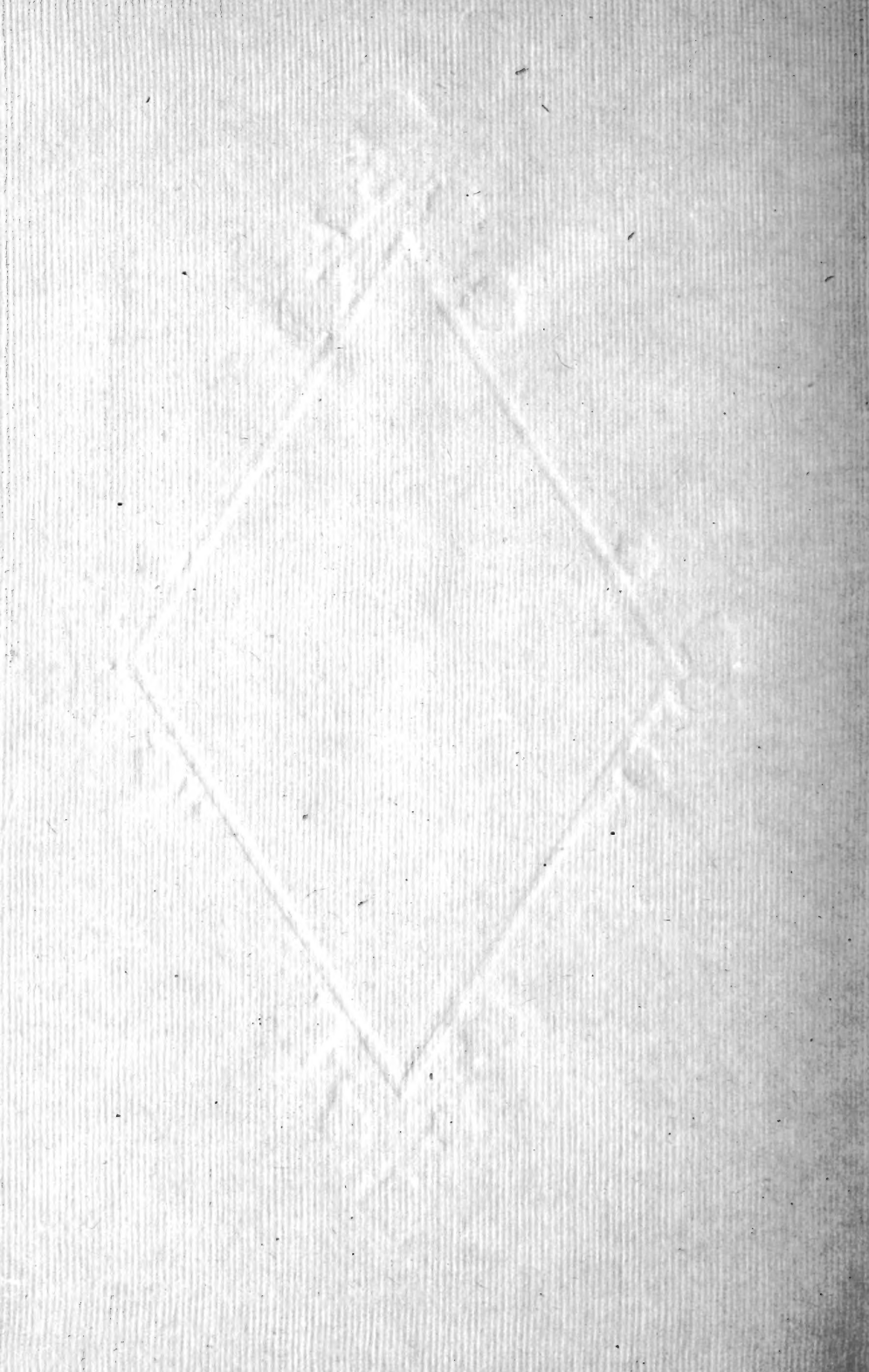
Department of Agriculture

Washington, D. C.



SEED CATALOGUE  
of

JONES "THE SEEDMAN"  
GRAND RAPIDS  
MICHIGAN



# Jones' Tested Seeds

**Y**EARs of practical experience and the fact that we do the largest retail seed business in this section of the country enable us to supply *every requirement* in *Garden and Farm Seeds* to the best advantage as regards quality and price.

## **Jones' Annual Seed Catalog, issued in February,**

contains description, cultural information, etc., about all seeds. It is full of useful and practical information for gardeners and farmers in this climate.

We take great pains to test our seeds and *they grow*.

Seeds of the best quality are apt to fail through improper treatment by sowing them too deep or too shallow, in soil too wet or too dry. While some seeds require a great deal of heat and others will not germinate under the same conditions, we take great pains and buy only from the best growers, yet man is not infallible and mistakes may occur. Therefore, no seed dealer can guarantee his seeds and we cannot be held responsible for the crop.

In ordering seeds by mail add one-half cent per ounce to the price of small seeds, and when heavy seeds like corn, beans or peas are ordered by the pint or quart, add 10 cts. per pint and 15 cts. per quart for postage or express charges and they will then be sent free.

## **Jones the Seedman**

**Grand Rapids, Mich.**

*February 1st, 1905.*





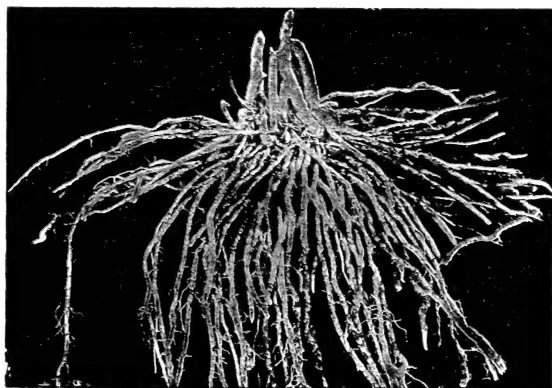
## Jones' Market Gardeners' Wholesale Price List



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### ASPARAGUS.

Asparagus can be grown in any good garden soil. To grow plants from seed, sow in drills about one inch deep, in rows a foot apart. Keep the soil mellow and free from weeds during the summer, thin-out and the following spring plants may be set in beds 6 ft. wide with a 2 ft. path each side; set plants one foot apart each way, four inches below the surface. Annually, after cutting, the bed should be given a liberal top dressing of manure, ashes and salt, which should be well cultivated into the soil. As soon as the tops turn yellow in the fall they should be cut and removed from the beds, and just before winter, cover the beds with four inches of coarse strawy manure or leaves, which should be removed in the spring. A bed 6x60 ft. is ample for an ordinary family, and when well established is good for twenty years. One ounce of seed will sow 60 feet of drill. About 400 plants to the ounce.



**Conver's Colossal**—A large and rapid grower of excellent quality.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 20c; 1-lb. 45c.

**Palmetto**—A large dark green variety of vigorous growth, having pointed tips; comes early.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 20c; 1-lb., 55c.

**BEANS.**

One quart to 100 ft. of drill; one to two bushels per acre.

**Dwarf or Bush Varieties.**

**Burpee's Stringless Green Pod**—This new bean combines unusual hardiness, extreme earliness and great productiveness. The pods are a rich green, very round and straight, five inches long, meaty, tender, brittle and entirely stringless.

Price.....Quart, 25c; 4 quarts, 80c; peck, \$1.40; bushel, \$5.50



**Long Yellow Six Weeks**—A good early string bean.

Price.....Quart, 25c; 4 quarts, 80c; peck, \$1.50; bushel, \$5.50

**Round Yellow Six Weeks**—Pods not so long as the Long Yellow Six Weeks but more fleshy and brittle.

Price.....Quart, 25c; 4 quarts, 80c; peck, \$1.50; bushel, \$5.50

**Emperor William**—Earlier than the Dutch Case Knife, pods very tender, flat and nearly ten inches in length.

Price.....Quart, 25c; 4 quarts, 80c; peck, \$1.40; bushel, \$5.00

**Refugee or 1,000 to 1**—

Price.....Quart, 25c; 4 quarts, 90c; peck, \$1.60; bushel, \$6

**Dwarf Horticultural**—Bush shell bean.

Price.....Quart, 25c; 4 quarts, 90c; peck, \$1.60; bushel, \$6

**Longfellow**—Very early new variety with round straight pods, very fleshy, long and brittle, entirely stringless, flavor delicious, very prolific.

Price.....Quart, 25c; 4 quarts, 90c; peck, \$1.60; bushel, \$6

**DWARF WAX VARIETIES.**

Wax beans were a very short crop and the supply is limited.

**Dwarf Golden Wax**—One of the best early wax beans, pods long, flat, color deep golden yellow.

Price.....Quart, 35c; 4 quarts, \$1.40; peck, \$2.50; bushel, \$9



**Challenge Black Wax**—Very early, pods round, clear waxy white, tender and stringless.

Price.....Quart, 35c; 4 quarts, \$1.40; peck, \$2.50; bushel, \$9

**German Black Wax**—Earliest wax bean, pods curved, round, deep yellow, meaty, brittle and stringless.

Price.....Quart, 35c; 4 quarts, \$1.40; peck, \$2.50; bushel, \$9

**Davis' Kidney Wax**—Immensely productive, pods very long, straight and handsome, color light yellow. The most profitable market garden bean.

Price.....Quart, 35c; 4 quarts, \$1.40; peck, \$2.50; bushel, \$9



**Wardwell's Kidney Wax**—Early, good cropper, pods long, straight, fleshy, rich yellow and stringless.

Price.....Quart, 35c; 4 quarts, \$1.40; peck, \$2.50; bushel, \$9

**Jones' Stringless Wax**—A white seeded variety with round stringless pods of great beauty. Very hardy and productive. Pods round, fleshy and well filled.

Price.....Quart, 35c; 4 quarts, \$1.40; peck, \$2.50; bushel, \$9

### POLE BEANS.

The pole or running varieties are tender, and should be sown two weeks later than the bush beans. They succeed best in sandy loam, which should be liberally enriched with manure. Form hills 3 to 4 ft. apart; plant 5 to 6 beans in a hill, 2 inches deep, leaving space in center for the pole; when well started they should be thinned to 2 or 3 plants in a hill. One quart makes 100 to 200 hills, according to size of the beans. Eight to twelve quarts will plant an acre.

**Seibert's Early Bush Lima**—The earliest true pole lima.

Price.....Quart, 25c; 4 quarts, 80c; peck, \$1.40; bushel, \$5.50

**King of the Garden Lima**—Late, very productive, large pods containing five or six large, well-flavored beans.

Price.....Quart, 25c; 4 quarts, 80c; peck, \$1.40; bushel, \$5.50

**Dutch Case Knife**—Pods long, flat, green, seed white. Used largely for slicing and canning.

Price.....Quart, 25c; 4 quarts, 75c; peck, \$1.30; bushel, \$5

### DWARF LIMA BEANS.

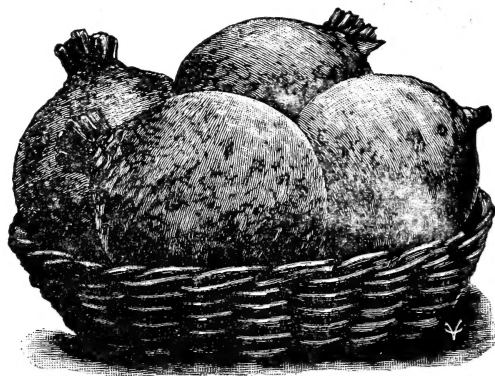
Lima beans will not grow until the ground is warm. If planted before they are apt to rot.

**Burpee's Bush Lima**—A bush form of true large lima, very productive, beans large and of fine flavor.

Price.....Quart, 25c; 4 quarts, 80c; peck, \$1.40; bushel, \$5.50

### BEETS.

Beets do best on light, well-manured soil. For main crop, sow in the spring as soon as the ground is fit to work, in drills 18 inches apart and one inch deep. When the young plants are 3 or 4 inches high, thin to 5 or 6 inches apart. One ounce of seed to 50 feet of drill; 5 to 6 pounds per acre.



**Jones' Crosby Egyptian**—The earliest beet on the market. Handsome turnip shaped, color deep red, almost black, and very sweet. It is a rapid grower and the most desirable sort for early bunching. Can be sown as late as July for late crop.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 20c; 1-lb., 60c.

**Crosby Egyptian**—Common stock.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c.

**Detroit Dark Red**—A favorite sort for bunching. Early, dark red, perfect turnip shape, small tops.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c.

**Acme**—This new variety is one of the best main crop beets. The top is low, spreading, roots thick, turnip shape with small top root, outside color dark purplish red, flesh crimson.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c.

**Early Bassano**—

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c.

**Bastain's Early Turnip—**

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c.

**Eclipse**—A superior market garden beet. Blood red, very early. Excellent for greens and cooking beets.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c.

**Edmand's Blood Turnip**—One of the best main crop beets.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c.

**Long Dark Blood—**

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c.

**Dewing's Blood Turnip**—A favorite main crop variety.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c.

**Swiss Chard or Sea Kale**—Superior to beets for greens; plant forms broad, wax-like stems which may be used as a salad or pickled.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c.

**MANGEL-WURZEL.**

Sow in rows  $2\frac{1}{2}$  to 3 feet apart as soon as the ground can be worked, cover seed about  $1\frac{1}{2}$  inches, making the soil firm. When 4 inches high, thin to 8 inches apart. Five pounds sow an acre.



**Mammoth Long Red**—Enormously productive, needs deep mellow soil.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 10c; 1-lb., 20c

**Golden Tankard**—Good yielder, flesh firm, not so coarse as Long Red.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 10c; 1-lb., 20c

## SUGAR BEETS.

Sugar beets are not as heavy yielders as mangels but are better quality and contain a large amount of sugar. Culture same as mangels.

**Giant Feeding Sugar**—This valuable stock beet is the result of careful seed breeding and selection. It has the richness of the sugar beet combined with the size and yield of the mangel. It will yield twice as much as the sugar beet, but is much easier gathered and keeps better. Roots are large, ovoid in form and very smooth.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 10c; 1-lb., 20c

**Lane's Imperial**—One of the best for stock feeding.

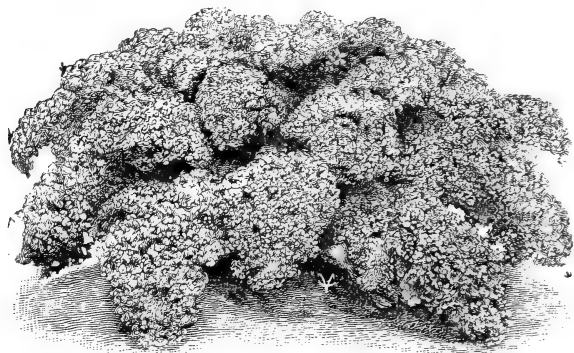
Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 10c; 1-lb., 20c

**Vilmorin's Imperial**—

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 10c; 1-lb., 20c

**Klein's Wanzleben**—Best German.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 10c; 1-lb., 20c



## BOERKOLE OR KALE.

Kale is more hardy than cabbage and makes excellent greens for winter and spring use and is improved by frost. For fall use sow in May or June. One ounce to 3,000 plants.

**Tall Green Curled**—

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c.

**Dwarf Green Curled**—

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c.

## BROCOLI.

One ounce to 5,000 plants.

**Mammoth White**—

Price.....Ounce, 40c;  $\frac{1}{4}$ -lb., \$1.40; 1-lb., \$4.50

## BRUSSEL SPROUTS.

One ounce to 5,000 plants.

**Paris Market**—

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 35c; 1-lb., \$1.25

**CABBAGE.**

Cabbage requires deep rich mellow soil, high manuring and good culture to obtain good solid heads. For early cabbage sow the seeds in hot beds or a box in the house the last of January and transplant in the open ground in April, in rows 2 feet apart and 18 inches in the row. For second early cabbage sow in April and transplant in May. For late sow in May and transplant in July, in rows 3 feet apart and 2 feet in the row. One ounce of seed will produce 2,500 plants. Four ounces per acre.

**Jones' Earliest Jersey Wakefield**—The very best early cabbage in cultivation. Grown extensively for market and shipping. Forms solid heads of fair size, conical in shape, with few outside leaves. Our seed is from selected stock and is the earliest strain of this variety.

Price.....Ounce, 15c;  $\frac{1}{4}$ -lb., 45c; 1-lb., \$1.60

**Charleston or Large Wakefield**—A little later than the Early Jersey Wakefield but the heads are larger and not so pointed.

Price.....Ounce, 15c;  $\frac{1}{4}$ -lb., 45c; 1-lb., \$1.60



**Early Spring**—A new round flat-headed variety, nearly as early as Early Jersey Wakefield.

Price.....Ounce, 20c;  $\frac{1}{4}$ -lb., 60c; 1-lb., \$2.00

**Second Early.**

**Henderson's Early Summer**—Large, round solid heads, a most popular second early sort.

Price.....Ounce, 15c;  $\frac{1}{4}$ -lb., 40c; 1-lb., \$1.40

**All Head**—A flat-headed variety coming in with the Early Summer, with larger heads.

Price.....Ounce, 15c;  $\frac{1}{4}$ -lb., 45c; 1-lb., \$1.60

**Early Winningstadt**—Heads large, cone-shaped and solid, very early and sure to head.

Price.....Ounce, 15c;  $\frac{1}{4}$ -lb., 40c; 1-lb., \$1.40

**All Seasons—**

Price.....Ounce, 15c; ¼-lb., 40c; 1-lb., \$1.40

**Henderson's Succession**—About ten days later than Early Summer, heads are more uniform.

Price.....Ounce, 15c; ¼-lb., 45c; 1-lb., \$1.50

**Fottler's Early Brunswick**—Earliest of the large heading drumheads.

Price.....Ounce, 15c; ¼-lb., 40c; 1-lb., \$1.50

**Fielderkraut**—Head is conical, very hard, the favorite variety for kraut.

Price.....Ounce, 15c; ¼-lb., 40c; 1-lb., \$1.50

**Late Kinds.**

**Surehead**—Strong, vigorous, uniform, large, solid and quality fine.

Price.....Ounce, 15c; ¼-lb., 40c; 1-lb., \$1.50



**Danish Round Winter or Danish Ballhead**—Heads medium size, very solid and deep, color white, fine grained and excellent quality. As this cabbage is so solid and heavy, it makes the very best cabbage for distant markets and is a splendid keeper.

Price.....Ounce, 20c; ¼-lb., 60c; 1-lb., \$2.00

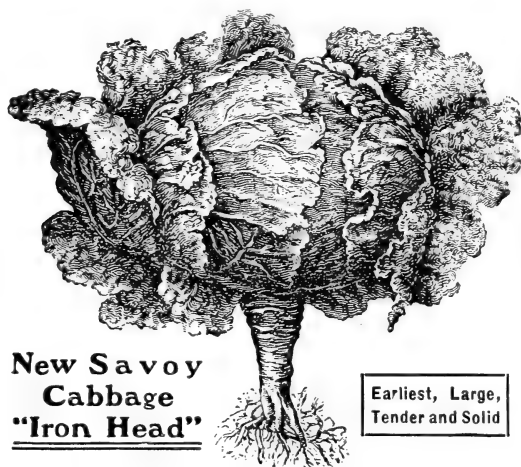
**American Savoy—**

Price.....Ounce, 15c; ¼-lb., 40c; 1-lb., \$1.50



**Jones' Late Flat Dutch**—An improved strain of this variety; heads large and more solid than the loose-headed Flat Dutch.

Price.....Ounce, 15c;  $\frac{1}{4}$ -lb., 40c; 1-lb., \$1.50



**New Savoy  
Cabbage  
"Iron Head"**

Earliest, Large,  
Tender and Solid

**Iron Head Savoy**—This new cabbage is the earliest savoy cabbage in existence. Heads large, tender and solid, round, of best flavor and hard as iron. Market gardeners will find it a money-maker.

Price.....Ounce, 20c;  $\frac{1}{4}$ -lb., 60c; 1-lb., \$2.00

**Hollander**—The same type as the Danish Ballhead but heads are a little larger.

Price.....Ounce, 15c;  $\frac{1}{4}$ -lb., 50c; 1-lb., \$1.75

**Large Late Drumhead**—

Price.....Ounce, 15c;  $\frac{1}{4}$ -lb., 40c; 1-lb., \$1.35

**Deep Head**—

Price.....Ounce, 15c;  $\frac{1}{4}$ -lb., 40c; 1-lb., \$1.50

**Stone Mason—**

Price.....Ounce, 15c; ¼-lb., 40c; 1-lb., \$1.50

**Luxemburg or Hard Heading—Large, solid, good keeper.**

Price.....Ounce, 15c; ¼-lb., 40c; 1-lb., \$1.50

**CARROTS.**

Carrots, like other root crops, flourish best in a well-enriched sandy soil, deeply tilled, and if plowed the fall before all the better. Sow in early spring in drills 15 to 18 inches apart, finally thinning plants to 3 or 4 inches. If sown early or on moist soil half inch is deep enough to cover seed. Seed slow to germinate. Keep clean by frequent hoeing and weeding. If neglected the young plants are easily smothered, and the crop is lost. One ounce sows 150 feet of drill. Four pounds sows an acre.

**Early French Short Horn—Early; good bunching carrot.**

Price.....Ounce, 10c; ¼-lb., 20c; 1-lb., 60c.

**Chantena—The best for market; tops medium size, necks small; roots tapering slightly, but stump rooted, color deep orange red.**

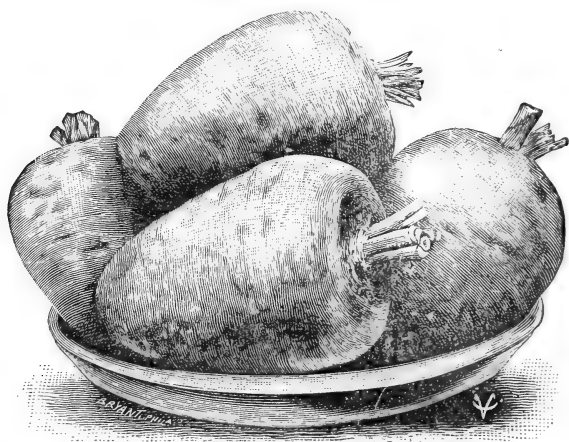
Price.....Ounce, 10c; ¼-lb., 15c; 1-lb., 50c.

**Danvers Half Long—**A select strain of the Danvers Half Long carrot. The roots are smoother, more tapering and more uniform in shape and size. The best for market carrots, deep orange color, flesh sweet and tender, roots of medium length. Very productive and adapted to all kinds of soil.

Price.....Ounce, 15c; ¼-lb., 20c; 1-lb., 75c.

**Danvers Half Long—Good strain.**

Price.....Ounce, 10c; ¼-lb., 15c; 1-lb., 50c.



**Guerand or Ox Heart—**A thick carrot, very blunt on the end, easy to gather, fine quality and great cropper.

Price.....Ounce, 10c; ¼-lb., 20c; 1-lb., 60c.



**Long Orange**—A good carrot for deep mellow soil, the old standard for stock feeding.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c.

**White Intermediate**—Large white carrot; fine grain and good quality.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c.

**Long White Belgian**—

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 10c; 1-lb., 30c.

**Long Yellow Belgian**—

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 10c; 1-lb., 30c.

## CAULIFLOWER.



The culture of cauliflower is similar to cabbage, but should be more thorough and ground made very rich. It delights in a rich, moist soil. Sow seed in the hot-bed in January or February, and transplant the plants 2 or 3 inches apart in boxes or in a soil of another hot-bed, until such time as they are safe to be planted in open ground, which in this latitude is usually from the 15th of March to the 10th of April. For late crop, sow seed at same time and treat in the same way as with late cabbage. Set plants in the field 2 feet by 15 inches apart. If properly hardened off they are seldom injured by being planted out too early. When heading, tie the outside leaves loosely over the head to protect it from the sun. One ounce gives 1,500 to 2,000 plants.

**Henderson's Early Snowball**—One of the best types of cauliflower on the market. The heads are solid, compact and round, very white and curd-like.

Price.....Ounce, \$2.00;  $\frac{1}{4}$ -lb., \$7.50

## CELERY.

Celery will do very well on any rich garden soil, but does best in low, moist rich bottom land or well-drained muck. Sow the seed in the open ground early in April, making the soil very fine; sow for late crop about the first of May. Sow in rows so that it can be kept free from weeds, cover seed very lightly and fine the soil well. Keep moist while seed germinates. Some of the most successful growers set on a level surface, while others pre-

fer a broad shallow trench only 3 or 4 inches deep. Trenches should be about 3 feet apart, set plants in single rows not over 6 inches apart in the trenches. Transplant about the middle of June for first early, and as late as the middle of August for the latest. In about six weeks from transplanting, the soil should be drawn from the middle of the rows around the celery with an ordinary hoe. Take hold of all of the leaves of the plant with one hand,



with the other draw the dirt around it, pressing it firmly, being careful that no dirt gets between the leaves. In about 2 weeks new dirt should be drawn to the row to keep the leaves in an upright position.

**White Plume**—Early, uniformly white and free from green or hollow stalks.

Price.....Ounce, 15c;  $\frac{1}{4}$ -lb., 45c; 1-lb., \$1.60

**Golden Self Blanching**—Rich golden yellow, close compact growth, easily blanched, crisp and solid and grows to good size.

Price.....Ounce, 30c;  $\frac{1}{4}$ -lb., \$1; 1-lb., \$3.75

**Dwarf Golden Heart**—Good for fall and winter use.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 30c; 1-lb., \$1.10

**Evan's Triumph**—This splendid new variety is one of the best for main crop, will keep longer than any other kind, very strong and vigorous growth, stalks large, white, crisp, tender and finely flavored.

Price.....Ounce, 15c;  $\frac{1}{4}$ -lb., 40c; 1-lb., \$1.50

**Kalamazoo**—

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 30c; 1-lb., \$1.10

**Perfection Hartwell**—One of the best late sorts, producing large bunches of tall broad stalks, blanching to golden yellow.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 35c; 1-lb., \$1.20

**Giant Pascal—**

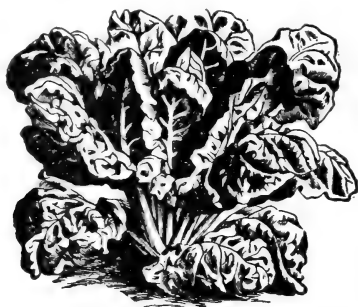
Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 35c; 1-lb., \$1.20

**Soup or Cutting—**Used for flavoring soups.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 30c; 1-lb., \$1.00

**CELERIAC OR TURNIP ROOTED CELERY.****Smooth Prague—**

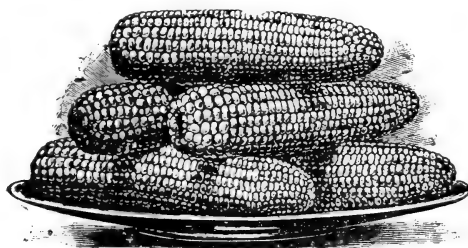
Price.....Ounce, 15c;  $\frac{1}{4}$ -lb., 40c; 1-lb., \$1.40

**Corn Salad—**Used during the winter and spring as a substitute for lettuce and spinach.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c.

**SWEET CORN.**

Our Ohio grown Sweet Corn is unexcelled by either Eastern or Western grown stock. The Sweet or Sugar Corn varieties, being liable to rot in cold or wet ground, should not be planted until May, or when the ground has become warm, and for a succession plant every ten days or two weeks until the last week in July, in hills 2 by 3 feet for early kinds, and 3 by 3 feet for the large late kinds. Some plant in drills  $3\frac{1}{2}$  feet apart and 8 inches in the row. Give frequent and thorough cultivation. One quart sows 200 to 300 hills. Eight to ten quarts for an acre.

**Early White Cob Cory—**One of the best for early market.

Price.....Quart, 20c; 4 quarts, 50c; peck, 80c; bushel, \$3.00

**Mammoth White Cory—**Ears are 12-rowed, larger than White Cory and nearly as early.

Price.....Quart, 20c; 4 quarts, 50c; peck, 80c; bushel, \$3.00

**Black Mexican**—When ready for use is pure white, but the ripe grain is black, the sweetest variety and best for home garden.

Price.....Quart, 20c; 4 quarts, 50c; peck, 90c; bushel, \$3.25

**Early Champion**—Earliest large sweet corn, very sweet and tender, the best second early sort for the market garden.

Price.....Quart, 20c; 4 quarts, 50c; peck, 75c; bushel, \$2.75

**Early Crosby**—Second early, good sized ear, excellent quality.

Price.....Quart, 20c; 4 quarts, 50c; peck, 80c; bushel, \$3.00

**Early Minnesota**—Popular old variety.

Price.....Quart, 20c; 4 quarts, 50c; peck, 80c; bushel, \$3.00

**Country Gentleman**—Large ears, small cob, well covered with long slender kernels, the sweetest of all corn.

Price.....Quart, 20c; 4 quarts, 50c; peck, 80c; bushel, \$3.00

**Perry's Hybride**—Matures a little later than Early Minnesota; ears large.

Price.....Quart, 20c; 4 quarts, 50c; peck, 80c; bushel, \$3.00

**Old Colony**—Earlier than evergreen, a great producer, the best for fodder.

Price.....Quart, 20c; 4 quarts, 50c; peck, 80c; bushel, \$3.00

**Early Evergreen**—Nearly two weeks earlier than Stowell's Evergreen, ears large and best quality.

Price.....Quart, 20c; 4 quarts, 50c; peck, 80c; bushel, \$3.00

**Stowell's Evergreen**—The largest ears and the sweetest corn, and is the standard main crop variety.

Price.....Quart, 15c; 4 quarts, 40c; peck, 75c; bushel, \$2.75



**CRESS.**

**Extra Curled**—

Price.....Ounce, 5c; ¼-lb., 15c; 1-lb., 40c

## CUCUMBERS.

Plant in hills 4 to 6 feet apart, with 8 to 10 seeds in a hill, cover half an inch deep. When plants are out of danger of insects, thin to 3 or 4 plants in a hill. For pickles plant from June 1st to August 1st. One ounce of seed will plant fifty hills. One pound per acre.

**Rawson's Forcing White Spine**—The best for green-house cucumbers. The fruit grows very even in size and regular in form, color dark green with light spines running from the blossom end.

Price.....Ounce, 30c;  $\frac{1}{4}$ -lb., \$1; 1-lb., \$3.50

**Chicago Pickle**—One of the best pickling sorts, very prolific.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 20c; 1-lb., 75c

**Arlington White Spine**—

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 20c; 1-lb., 65c

**Peerless White Spine**—

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 20c; 1-lb., 60c

**Improved Long Green**—

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 20c; 1-lb., 75c

**Nichols' Medium Green**—

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 20c; 1-lb., 60c

**Jersey Pickle**—Vine of strong growth and great bearer, one of the best sort for pickles.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 20c; 1-lb., 75c

**Boston Pickling**—Very prolific, one of the most popular varieties for pickles.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 20c; 1-lb., 65c

**Vaughan's Select White Spine**—

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 25c; 1-lb., 90c

**Gherkin**—A very small oval variety, prickly and quite distinct from all others.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 30c; 1-lb., \$1.00

### ENDIVE.

Its leaves make a splendid salad when properly blanched, usually grown for fall use, and sown in June and July. One-quarter ounce to 100 feet of drill. Four and one-half pounds to an acre.

**Moss Curled**—

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 30c; 1-lb., \$1.00

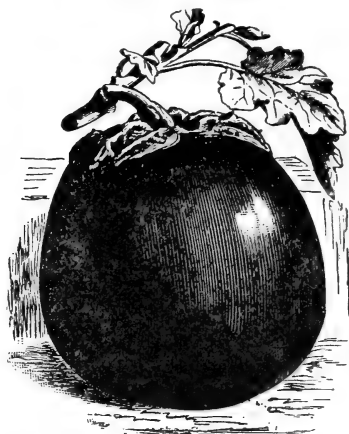
**Green Curled**—

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 30c; 1-lb., \$1.00

**Broad Leaved Batavian**—

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 30c; 1-lb., \$1.00

## EGG PLANT.



Sow seeds in hot-beds or a green-house in March or early in April; the seed is very slow to germinate and requires a good deal of heat. Transplant to the open ground about June 1st in rows 2 or 3 feet apart each way. Egg Plant requires a rich warm soil. One ounce to 4,000 plants. Four ounces to an acre.

**New York Purple**—Very large and smooth, a fine dark color.

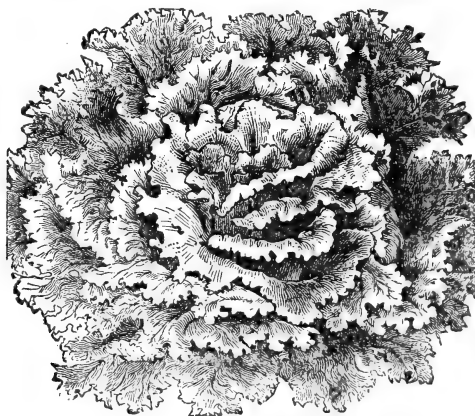
Price.....Ounce, 20c;  $\frac{1}{4}$ -lb., 65c; 1-lb., \$2.40

**Black Pekin**—Very early, fruit round, almost black, flesh white.

Price.....Ounce, 20c;  $\frac{1}{4}$ -lb., 65c; 1-lb., \$2.40

## LETTUCE.

Sow in drills  $\frac{1}{4}$  inch deep and 18 inches apart. Thin to 12 inches on all head varieties. For a constant supply sow every two weeks from the middle of April to July. One ounce of seed makes 2,500 plants.



**Grand Rapids Forcing**—The best forcing and shipping variety, will produce more pounds of lettuce on the same space and stand longer after maturity than any other known sort.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 25c; 1-lb., 80c

**Early Curled Silesia**— Very early.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 20c; 1-lb., 70c

**Black Seeded Simpson**—Early, leaves larger, thin and tender, growing in large loose clusters. Good for forcing or growing out of doors for the early market.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 20c; 1-lb., 70c

**Prize Head**—Leaves are large, crimped, bright green tinged with brownish red.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 20c; 1-lb., 70c

**Hanson**—Very large heading variety.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 20c; 1-lb., 70c

**Immensity**—

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 20c; 1-lb., 70c

**Big Boston**—A very popular market gardeners' sort; the plants are large, hardy, leaves smooth, thin, light green in color; indoors this forms a solid head, a less distinctly head variety when grown outside.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 25c; 1-lb., 80c

**Black Seeded Butter**—Large, smooth leaved solid heading lettuce, inner leaves beautifully blanched and very tender.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 25c; 1-lb., 80c

**Deacon**—Forms very solid heads, the leaves blanch a beautiful rich yellow.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 20c; 1-lb., 70c

### LEEK.

Sow early in rows 18 inches apart. When 4 inches high, thin to 4 inches apart. One-third ounce to 100 feet of drill.

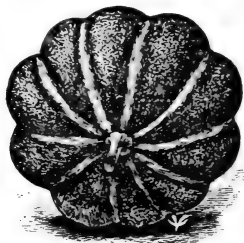
**Large Musselburg**—

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 25c; 1-lb., 80c

**Broad Scotch**—

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 25c; 1-lb., 80c

### MUSKMELON.



Melons require a rich sandy soil; seed should be planted when the ground becomes warm, in hills 6 feet apart. Well rotted manure should be thoroughly mixed with the soil in each hill. Put from 6 to 10 seeds in each

hill and when danger from insects is past, leave only 3 or 4 of the strongest plants. One ounce to 100 hills, 1 to 3 pounds per acre.

**Jackson First Market**—The earliest melon, fair size, nearly as large as Osage and same shape. When ripe, color light yellow; flesh green, very sweet and spicy, highly productive.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 20c; 1-lb., 70c

**Grand Rapids Early Market**—Very early, large yellow, good seller on account of earliness, size and keeping quality.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 30c; 1-lb., \$1.00

**Jenny Lind**—Small, early, light green flesh, very sweet.

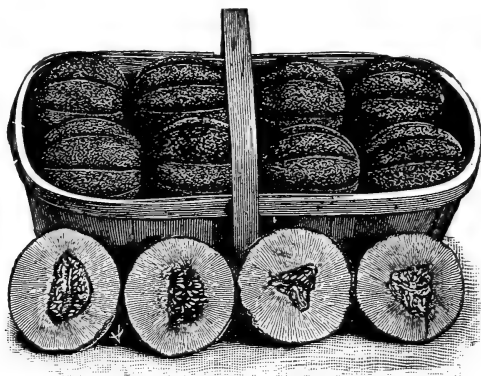
Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 20c; 1-lb., 70c

**Extra Early Green Nutmeg**—

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 20c; 1-lb., 70c

**Emerald Gem**—

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 20c; 1-lb., 70c



**Paul Rose**—For a shipping trade as a basket melon this new melon is unequalled, flesh yellow, very sweet and spicy.

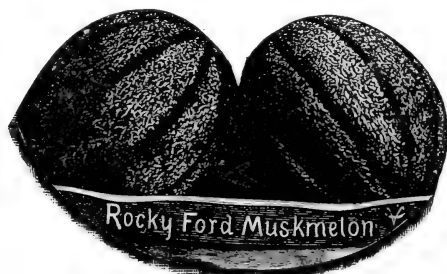
Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 20c; 1-lb., 70c

**Improved Hackensack**—

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**Bay View**—

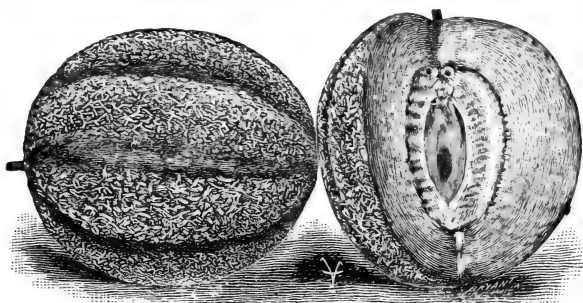
Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c



**Rocky Ford**—An improved Netted Gem melon very sweet.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 20c; 1-lb., 70c





**Osage**—Stock seed. The best yellow-fleshed melon; large, oval, slightly ribbed and netted, skin very dark green, very small seed cavity, flesh thick, a deep rich salmon yellow, highly flavored and very sweet. This seed is grown by the originator of the Osage melon and is remarkably pure.

Price.....Ounce, 20c;  $\frac{1}{4}$ -lb., 60c; 1-lb., \$2.00

**Osage**—Grown from stock seed.

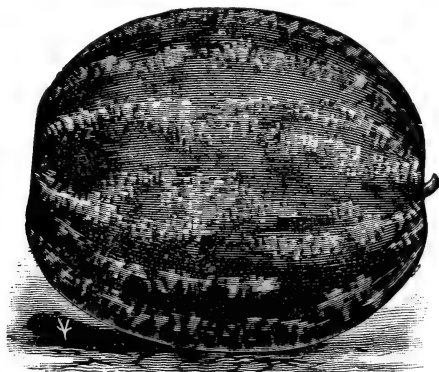
Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 20c; 1-lb., 70c

**Netted Gem**—

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 20c; 1-lb., 70c

### WATER MELON.

Water melons require a warm sandy soil. Mix well-rotted manure well with the soil in each hill. Hills should be 8 to 10 feet apart; plant 8 to 10 seeds in each hill and thin to 3 strong plants when danger from insects is past. Four ounces to 100 hills. One to two pounds per acre.



**Cole's Early**—The best early melon for the home market. Flesh very sweet and delicious, rind thin and brittle.

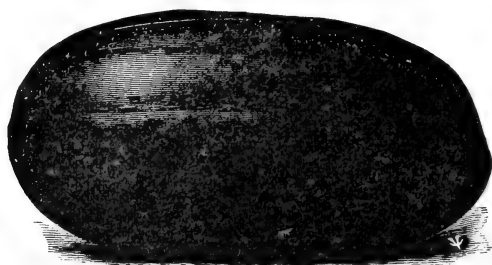
Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**Triumph**—Melons of enormous size, very sweet, a good shipper.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**Vick's Early**—

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c



**Georgia Rattlesnake**—Very large, long, smooth and distinctly striped; flesh, bright scarlet.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**Black Spanish**—

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c.

**Monte Cristo or Kleckley's Sweet**—Large, oblong, skin dark green, flesh bright scarlet, sweet and sugary, rind very thin.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Mountain Sweet**—

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**Kolb's Gem**—

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**Peerless**—

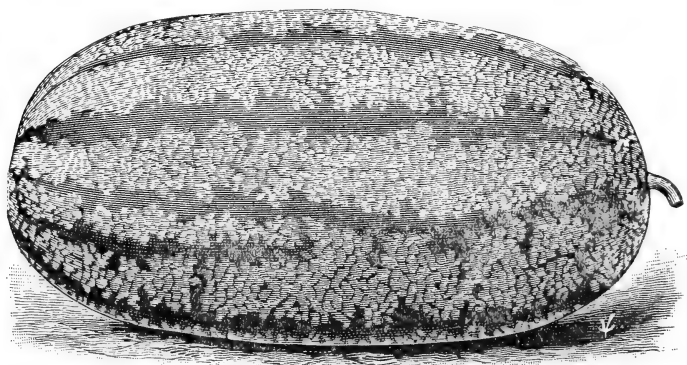
Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**Dark Icing**—

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**Light Icing**—

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c



**Phinney's Early**—

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**Sweet Heart**—Early, vine vigorous and productive, fruit large, rind thin but tough, flesh red, very sweet and tender.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**Dixie**—

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**McIver's Wonderful Sugar**—A large, handsome, oblong melon.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**Hungarian Honey**—

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**Citron**—For preserving.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

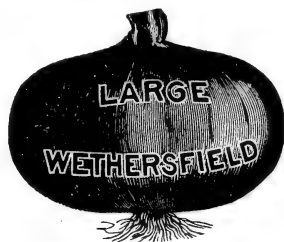
### ONIONS.

Onion seed should be sown as early as possible to work the ground. Sow 4 to 5 pounds per acre in drills one foot apart and about one-fourth inch deep. When well started thin to 3 or 4 inches. One-third ounce to 100 feet of drill. Four to five pounds per acre.

**Early Flat Red**—A medium sized early variety of a uniform size and shape.

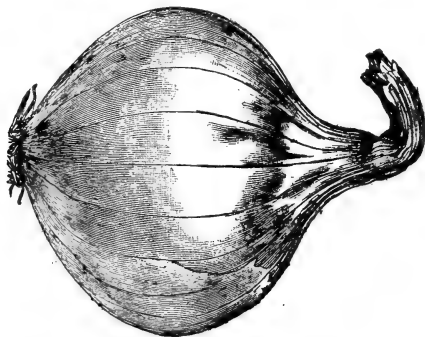
Good keeper, desirable for early market.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 25c; 1-lb., 80c



**Large Red Wethersfield**—Large size, slightly flattened, skin deep purplish red, good keeper and yields immense crop.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 25c; 1-lb., 80c



**Southport Red Globe**—One of the very best main crop onions. There is always a good demand for red globes. The skin is a dark glossy red, onion fine grained, mild, tender, and good quality, a long keeper and large cropper.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 30c; 1-lb., \$1.00

**Yellow Globe Danvers**—Best variety for the Eastern market. Splendid keeper, early, medium size and very handsome.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 20c; 1-lb., 75c

**Southport Yellow Globe**—Large, skin a fine deep yellow, keeps well.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 25c; 1-lb., 90c

**Yellow Danvers Flat**—A splendid extra early yellow onion flatter than the Yellow Globe Danvers.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 25c; 1-lb., 80c

**Yellow Strastburg**—

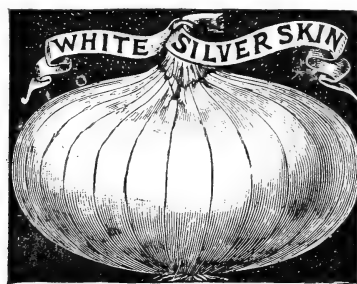
Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 20c; 1-lb., 75c

**Yellow Cracker**—

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 20c; 1-lb., 75c

**Prizetaker or Mammoth Yellow Spanish**—

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 25c; 1-lb., 90c

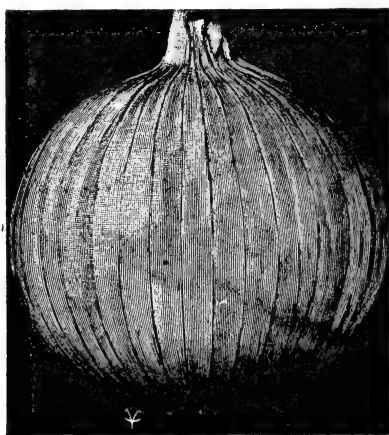


**Philadelphia Silverskin or Portugal**—Large white onion, grows a beautiful firm pearly white set.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 35c; 1-lb., \$1.20

**Mammoth Silver King**—Very large, handsome, white, flat onion.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 35c; 1-lb., \$1.25



**Southport Large White Globe**—Large, solid and handsome.

Price.....Ounce, 15c;  $\frac{1}{4}$ -lb., 40c; 1-lb., \$1.50



**New Queen**—Early, very white skinned, small, especially valuable for pickling.

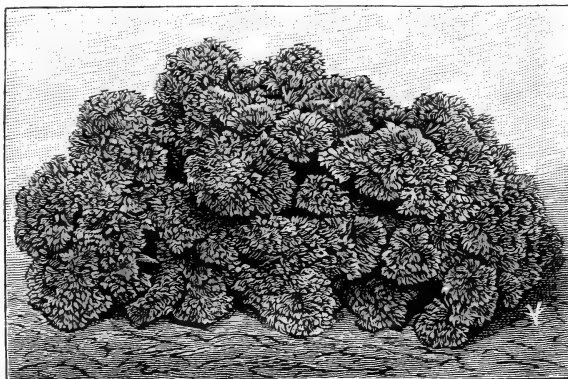
Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 35c; 1-lb., \$1.20

**Adriatic Barletta**—Small, early, white onion, used for pickling.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 35c; 1-lb., \$1.20

### PARSLEY.

As the seed requires three or four weeks to germinate, sow early in the spring in rows one foot apart, cover half an inch deep. Thin to 5 or 6 inches apart or transplant. One ounce to 150 feet of drill.



**Champion Moss Curled**—

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Fine Tripled Curled**—Fine Curled and a stronger grower than Champion Moss Curled.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

### PARSNIPS.

Sow as early in the spring as possible in drills 15 inches apart and half an inch deep, in rich, well-manured land. Thin to 6 inches apart in the rows. One ounce of seed to 200 feet of drill. Three to five pounds per acre.

**Hollow Crown**—White, very tender, with smooth, clean skin.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 10c; 1-lb., 30c

**Long White Dutch or Sugar**—Roots very long, white, smooth and tender.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 10c; 1-lb., 30c

## PEAS.

For extra early peas, plant very early on light rich soil. For a general crop a deep loam inclining to clay would be better. When grown for market they are seldom brushed but sown in single rows one inch apart and three to five inches deep, depending on the soil, time of planting and variety. Rows should be from 18 inches to 3 feet apart. Wrinkled varieties are not as hardy as the smooth hard sorts and if planted early should have dry soil and not be planted deep as they are liable to rot. One quart to 100 feet of drill. One to three bushels per acre.



**First and Best**—Very early, popular for market and shipping.

Price.....Quart, 20c; 4 quarts, 60c; peck, \$1; bushel, \$3.50

**Alaska**—The earliest and most prolific pea. This beautiful blue pea is the most popular with the market gardeners.

Price.....Quart, 20c; 4 quarts, 50c; peck, 80c; bushel, \$3.00

**Thomas Laxton**—Very early, pods as large as Gradus, well filled with peas of the very best flavor.

Price:.....Quart, 40c; 4 quarts, \$1.40; peck, \$2.50; bushel, \$8.50

**Gradus**—From the market gardeners' standpoint too much cannot be said in praise of the Gradus or Prosperity. It is very early, being but a few days later than the extra early sorts. Pods very large, from 4 to 4½ inches in length, peas large and sweet. The vine has heavy stems with large dark green leaves and grows from 2½ to 3 feet high. Crop short, will have but a limited quantity.

Price.....Quart, 40c; 4 quarts, \$1.40; peck, \$2.50; bushel, \$8.50

**Notts' Excelsior**—Best early dwarf wrinkled pea. More prolific than the American Wonder. Quality just as good.

Price.....Quart, 25c; 4 quarts, 85c; peck, \$1.60; bushel, \$6.00

**American Wonder**—

Price.....Quart, 30c; 4 quarts, 90c; peck, \$1.70; bushel, \$6.50

**McLean's Little Gem—**

Price.....Quart, 25c; 4 quarts, 85c; peck, \$1.60; bushel, \$6.00

**Premium Gem—**

Price.....Quart, 25c; 4 quarts, 85c; peck, \$1.60; bushel, \$6.00

**Dwarf Telephone or Carter's Daisy—**A new second early dwarf pea with immense pods and peas. Plants grow about 18 inches high, are stout and self-supporting and loaded with large, bright green pods, which are always well filled, each pod containing from 7 to 9 large peas, tender and well flavored. Crop short, supply limited.

Price.....Quart, 20c; 4 quarts, 75c; peck, \$1.40; bushel, \$5.50

**Yorkshire Hero—**

Price.....Quart, 20c; 4 quarts, 60c; peck, \$1.10; bushel, \$4.00

**Champion of England—**

Price.....Quart, 20c; 4 quarts, 60c; peck, 90c; bushel, \$3.50

**Telephone—**

Price.....Quart, 20c; 4 quarts, 75c; peck, \$1.40; bushel, \$5.50

**Duke of Albany—**Immense pods on style of Telephone but earlier and superior to that variety.

Price.....Quart, 20c; 4 quarts, 75c; peck, \$1.40; bushel, \$5.50

**Telegraph or Long Island Mammoth—**A strong growing, hardy, late variety, pods very long, filled with large green peas.

Price.....Quart, 20c; 4 quarts, 75c; peck, \$1.40; bushel, \$5.50

**Juno—**Grows two feet high, vigorous grower and prolific bearer, pods slightly curved, dark green, well filled.

Price.....Quart, 20c; 4 quarts, 75c; peck, \$1.40; bushel, \$5.50

**Bliss Everbearing—**

Price.....Quart, 20c; 4 quarts, 75c; peck, \$1.40; bushel, \$5.50

**Pride of the Market—**Vines of medium height, stocky and vigorous, with large dark green leaves bearing at the top very large dark green pods well filled with large peas.

Price.....Quart, 20c; 4 quarts, 70c; peck, \$1.30; bushel, \$5.00

**Improved Stratagem—**Vines 18 inches in height and very stocky, pods long, well filled with large peas.

Price.....Quart, 20c; 4 quarts, 75c; peck, \$1.40; bushel, \$5.50

**Large White Marrowfats—**

Price.....Quart, 10c; 4 quarts, 40c; peck, 70c; bushel, \$2.50

**Black Eyed Marrowfats—**

Price.....Quart, 10c; 4 quarts, 40c; peck, 70c; bushel, \$2.50

**Melting Sugar—**Edible pods.

Price.....Quart, 20c; 4 quarts, 75c; peck, \$1.40; bushel, \$5.50

**Dwarf Grey Sugar—**Edible pods.

Price.....Quart, 20c; 4 quarts, 75c; peck, \$1.40; bushel, \$5.50

**Tall Grey Sugar—**Edible pods.

Price.....Quart, 20c; 4 quarts, 75c; peck, \$1.40; bushel, \$5.50

**PEPPER.**

Pepper should be started in a hot bed or cold frame, and transplanted about the last of May in rows about two feet apart each way.

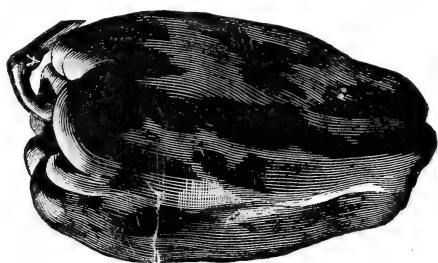


**Ruby King**—Four and one-half inches to six inches long, mild, one of the best for stuffed pickles.

Price.....Ounce, 15c;  $\frac{1}{4}$ -lb., 50c; 1-lb., \$1.75

**Sweet Mountain**—Very productive, flesh thick, sweet and mild.

Price.....Ounce, 15c;  $\frac{1}{4}$ -lb., 50c; 1-lb., \$1.75



**Large Bell or Bull Nose**—An early variety of mild flavor, rind thick and fleshy, one of the best for mangoes.

Price.....Ounce, 15c;  $\frac{1}{4}$ -lb., 50c; 1-lb., \$1.75

**Chinese Giant**—This new pepper is the best and the largest mango pepper ever introduced, plant strong, bushy, prolific bearer. Fruit mammoth size, glossy red flesh and mild flavor.

Price.....Ounce, 35c;  $\frac{1}{4}$ -lb., \$1.20; 1-lb., \$4.50

**Long Red Cayenne**—

Price.....Ounce, 20c;  $\frac{1}{4}$ -lb., 60c; 1-lb., \$1.85

**Cherry Red**—Small round rich scarlet. Very hot.

Price.....Ounce, 20c;  $\frac{1}{4}$ -lb., 60c; 1-lb., \$2.00

**PUMPKIN.**

One pint to 100 hills. One to two pounds per acre.

**Large Cheese or Kentucky Field**—Popular for family use, flat shape.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**Quaker Pie**—Nearly oval, cream colored, best quality.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c



**Common Yellow or Connecticut Field**—Immensely productive, very hardy.  
Good either for pies or stock feeding.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 10c; 1-lb., 20c

### RADISH.

Radish thrive best on light, sandy soil. Sow as soon as the soil can be worked in the spring in drills, cover about half an inch deep. For a succession, sow every two weeks. One ounce to 100 feet of drill. Eight to ten pounds per acre.

**French Breakfast**—Olive shaped red, tipped with white.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**Long Scarlet Short Top**—

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**Early Scarlet Turnip**—Very early small round good quality.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**Long White Vienna or Lady Finger**—One of the best white radishes.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c



**Vick's Scarlet Globe**—One of the best for forcing on account of the small tops, attractive color, does not soon become pithy, very early, equally as good for sowing outdoors. Our seed is exceptionally good this year.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 20c; 1-lb., 60c

**Wood's Early Frame**—One of the best early long scarlet radishes. Very smooth and handsome.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**Cincinnati Market**—Long, scarlet, smooth, tops small, flesh very tender and crisp.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**Long Brightest Scarlet White Tipped**—

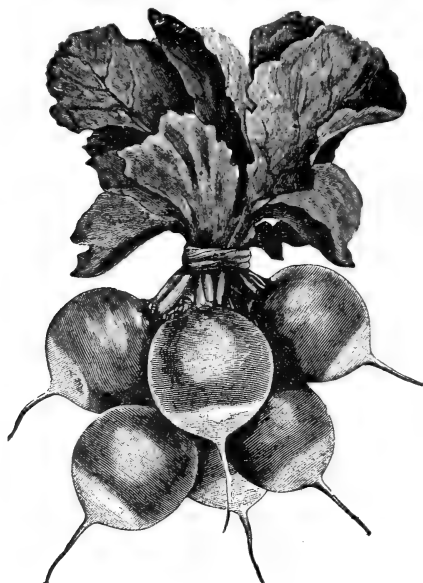
Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**Half Long Deep Scarlet**—

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**Chartier**—Large, long summer radish, scarlet, white tipped.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c



**Scarlet Turnip, White Tip**—One of the earliest turnip shaped radishes. Very handsome, good flavor.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**Giant White Stuttgart**—A mammoth white summer radish.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**Chinese Rose or Scarlet China**—Bright rose colored, one of the best for fall and winter use, flesh white and firm.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**Long Black Spanish**—A long winter radish, black skin, white flesh.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**Round Black Spanish**—Round black winter radish.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**Iceicle**—A new long white variety.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

### SPINACH.

For spring use sow in drills one foot apart and for succession, sow every two weeks. For winter use, sow in September. One ounce for 100 feet of drill. Eight to ten pounds per acre.

**Thick Leaved**—Large dark green leaves, the most popular variety for the market.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 10c; 1-lb., 20c

**Bloomsdale or Savoy Leaved—**

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 10c; 1-lb., 20c

**Long Standing—**

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 10c; 1-lb., 20c

**New Victoria—**Dark black green leaves, splendid for spring sowing.

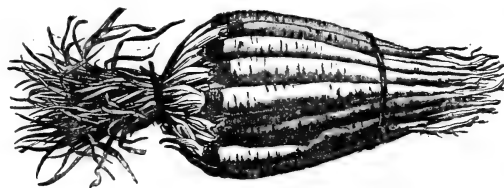
Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 10c; 1-lb., 20c

**Prickly Winter—**

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 10c; 1-lb., 20c

**SALSIFY OR VEGETABLE OYSTER.**

Salsify does the best on light rich soil. Sow early in drills 18 inches apart, cover seed about 2 inches. Thin to 4 or 5 inches. One ounce to 100 feet of drill. Five to eight pounds per acre.



**Mammoth Sandwich Island—**This is a large, strong growing plant, very smooth.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 30c; 1-lb., \$1.00

**SQUASH.**

Plant as soon as the ground is warm and danger from frost is over. Plant in hills 5 feet apart for bush varieties and 6 to 8 feet for the running kinds. Six to eight seeds per hill and thin to three plants. One ounce to 40 hills, about two pounds per acre.

**Summer Varieties.****White Bush Scallop—**

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**Mammoth White Bush—**Twice the size of the above.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**Yellow Bush Scallop—**Orange color:

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Mammoth Yellow Bush—**Large yellow, very early.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Summer Crookneck—**The old standard variety, very early.

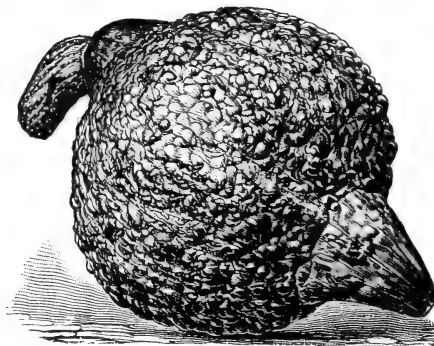
Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 20c; 1-lb., 60c

**Giant Summer Crookneck—**Very large.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 20c; 1-lb., 60c

**Fall and Winter Squash.****Boston Marrow—**Bright orange, good for autumn use,

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c



**Hubbard**—The old favorite winter sort.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 25c; 1-lb., 80c

**Red or Golden Hubbard**—A perfect type of the Green Hubbard, except in color, which is a bright deep yellow, very showy and attractive. Flesh yellow, fine grained, cooks very dry, more productive than Hubbard.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 25c; 1-lb., 80c

**Sibley or Pike's Peak**—Large oval fruit, tapering at the blossom end, skin dark olive green, light golden flesh, excellent quality. Crop nearly a failure, supply limited.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 35c; 1-lb., \$1.00

**Faxon**—

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Chicago Warty Hubbard**—Much larger and more warty than the old Hubbard.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 25c; 1-lb., 80c

**Mammoth Chili**—

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 25c; 1-lb., 80c



**Delicious**—This new squash is superior to the old Hubbard. Medium size, color green, flesh thick, of dark orange color, fine grained and very sweet and dry.

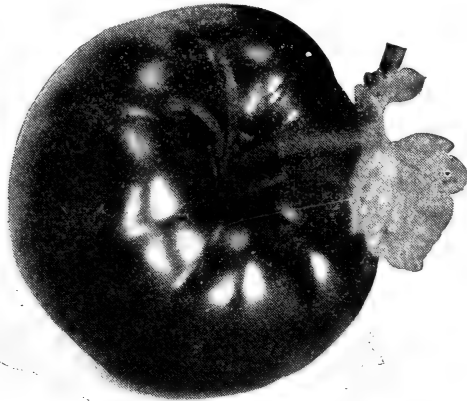
Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 35c; 1-lb., \$1.25

**TOMATOES.**

For early fruit the seed should be sown in a hot-bed about the first of March, sow either in drills or broadcast, cover about half an inch, later sowings may be made until the last of April. When the plants are two or three inches high they should be double rooted into a small box, and not more than 100 in a box, or into small pots, one plant to a pot. Water freely when transplanted and expose to the sun gradually until the plants are hardened. Set outdoors when danger from frost is over. One ounce of seed to 2,500 plants. About two ounces per acre.

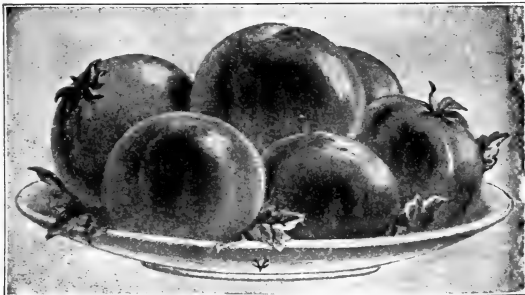
**Earliana**—The earliest large smooth tomato in the world, an enormous bearer. While the Earliana has been a disappointment, in many instances it is undoubtedly due to a poor strain of the seed. We have seed grown from the original stock and believe it worthy of another trial.

Price.....Ounce, 25c; ¼-lb., 80c; 1-lb., \$2.75



**Livingston's Dwarf Stone**—This new variety from Livingston resembles the Dwarf Champion in habit of vine but is of stronger growth and more erect, the fruit resembles Livingston's Stone in color, shape and size. The new Dwarf Stone is nearly double the size of the Dwarf Champion yet equally as early and more prolific.

Price.....Ounce, 25c; ¼-lb., 85c; 1-lb., \$3.00



**Dwarf Champion**—Very early, fruit a bright pink, smooth and regular.

Price.....Ounce, 20c; ¼-lb., 75c; 1-lb., \$2.50

**Early Michigan**—Smooth, deep rich red.

Price.....Ounce, 15c; ¼-lb., 50c; 1-lb., \$1.75

**Honor Bright**—Bright red, good for shipping.

Price.....Ounce, 20c; ¼-lb., 60c; 1-lb., \$2.00

**Livingston's Favorite**—Large, productive, fine, blood red, good canner.

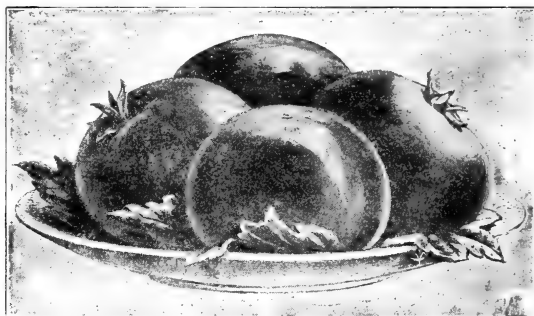
Price.....Ounce, 15c; ¼-lb., 50c; 1-lb., \$1.75

**Livingston's Perfection**—Earlier than the Favorite or Beauty. Large size, very productive, one of the best canning tomatoes.

Price.....Ounce, 15c; ¼-lb., 50c; 1-lb., \$1.75

**Livingston's Beauty**—Large, smooth, fruit purplish pink, thick flesh, good canner.

Price.....Ounce, 15c; ¼-lb., 50c; 1-lb., \$1.75



**Acme**—Fruit smooth, color purple.

Price.....Ounce, 15c; ¼-lb., 50c; 1-lb., \$1.75

**Magnus**—New, color of Beauty, but thicker leaves and more solid, very productive, matures quickly and will take the first rank for early market.

Price.....Ounce, 20c; ¼-lb., 60c; 1-lb., \$2.00

**Golden Queen**—

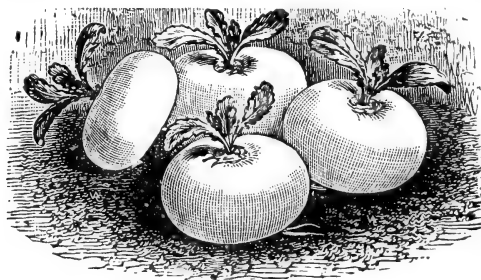
Price.....Ounce, 20c; ¼-lb., 60c; 1-lb., \$2.00

**Yellow Plum**—

Price.....Ounce, 20c; ¼-lb., 60c; 1-lb., \$2.00

### TURNIP.

For early crop, sow in latter part of April, for fall and main crop from the middle of June until the last of August. One ounce to 250 feet of drill. One pound per acre.



**New White Milan**—Very early, white, best for bunching.

Price.....Ounce, 10c; ¼-lb., 20c; 1-lb., 60c

**Purple Top Strap Leaf**—The well known popular variety for family or market use. Large size, flat, white, purplish above ground, flesh fine grained.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c



**White Egg**—Very handsome, good early or late turnips for the market.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**Purple Top White Globe**—Very productive and handsome.

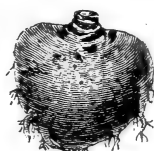
Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 35c

**Cow Horn**—Good Stock turnip, heavy cropper.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 35c

**Large White Norfolk**—

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 10c; 1-lb., 30c



**Sweet German**—Flesh hard, white and firm.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 35c

**Yellow Aberdeen**—Globe shaped, very large, good stock turnip.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**Robertson's Golden Ball**—One of the sweetest yellow turnips, flesh hard and firm, good keeper.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**Amber Globe**—One of the best yellow varieties for a field crop for stock.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 35c

### RUTA BAGA.

Sow from the middle of June to the middle of July.



**American Purple**—Very hardy and productive, flesh yellow, sweet and solid. Good for stock and table use.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 40c

**White Sweet Russian**—Large, white, very desirable for either stock or table use.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 10c; 1-lb., 30c

#### HERBS.

**Caraway**—

Price.....Ounce, 10c

**Dill**—

Price.....Ounce, 10c



**Lavender**—

Price.....Ounce, 10c



**Sage—Broad leaved.**

Price.....Ounce, 15c

**Summer Savory—**

Price.....Ounce, 10c

**Sweet Marjoram—**

Price.....Ounce, 10c

**Thyme—**

Price.....Ounce, 20c

**MISCELLANEOUS SEEDS.**

Owing to market changes on field and grass seeds, we are unable to give prices herewith and when customers are in need of anything in this line, will be pleased to quote lowest prices the market will justify.

**BUCKWHEAT.**

Buckwheat should be sown about the middle of June. From one to three pecks per acre.

**Japanese**—The earliest and most productive variety grown, grains very large.

**Silver Hull**—Good yielder, grain small, of a light gray color, very thin hull and yields the most flour per bushel.

**BARLEY.**

**Common**—Six-rowed succeeds best on sandy loam. Sow about  $2\frac{1}{2}$  bushels per acre.

**Hungarian**—A species of annual millet growing less rank with smaller stalks, makes better hay for horses than millet. Sow from one peck to one-half bushel per acre.

**MILLET.**

**Common**—Requires a light dry rich soil and grows  $2\frac{1}{2}$  to 3 feet high with a fine bulk of stalks and leaves. Sow broadcast from May 1st to August 1st, from one peck to one-half bushel per acre.

**German or Golden**—Grows much larger than common millet, the heads are very large and compact. Sow about one-half bushel per acre.

**RAPE.**

**Dwarf Essex**—Especially valuable for green manuring and for pasture. When fed off by sheep it will do more to restore exhausted land than any other plant. There is no forage plant that will produce so heavy a yield with such slight cost. Sow from the time frost is out of the ground to July. It is ready in about six weeks. Three to four pounds per acre.

**RYE.**

**Spring Rye**—The principal value of this grain is as a catch crop to sow where winter grains have failed. The straw is shorter and stiffer than the winter variety while the grain though smaller is of equal value.

**SORGHUM.**

**Sorghum**—The early varieties of sorghum are sown quite extensively for forage crops. Stalks are tall and leafy and when well cured make splendid fodder for cows. Cane seed should not be sown until the weather is warm. About 3 or 4 pounds per acre.

**SUNFLOWER.**

**Mammoth Russian**—This variety has large heads and a good crop will produce 1,000 pounds of seed per acre. It is used for feeding poultry, sow the seed at corn planting time in rows 5 feet apart and 10 inches apart in the rows.

**FIELD PEAS.**

**Canada Field Peas**—Make splendid hay for hogs when sown with oats. They can be fed either green or dry. Plowed under as a fertilizer they are nearly as good as clover and can be grown on land too poor for clover. Sow about 2 bushels per acre or if sown with oats, sow 1 bushel of each. Sow peas broadcast first and plow under four or five inches deep, then sow oats on top and harrow in.

**GRASS SEED.**

Timothy, orchard grass, blue grass, red top, mammoth, medium, alsyke and alfalfa clover at lowest prices market warrants.

**LAWN GRASS.**

One pound to 600 square feet. Three to five bushels per acre.



**Hill Lawn Mixture**—Especially adapted to light soils and shady situations. A thick velvety sod is very hard to grow on the light sandy soil of the hill residence district, but four years' actual use has demonstrated that the Hill Lawn Mixture will do better, last longer and grow a thicker sod than any mixture on the market.

Price..... Pound, 25c; 3-lb., 60c

**Chicago Park Lawn Mixture**—It will produce an even, dense growth of permanent sward as early in the season as it is possible to do with seed. This mixture contains no annual grasses for making a quick show to the detriment of a good lawn but only those of lasting value and hardiness. Price..... Pound, 25c; 3-lbs., 60c; 10-lbs., \$1.75

**Kentucky Blue Grass**—The base of all lawn mixtures. It makes a gran sward, but takes longer than the lawn mixtures to get established. Fancy clean seed.

Price..... Pound, 15c

**Red Top**—For quick results Red Top is unequalled as it comes up quickly and makes a nice thick lawn but does not last. Fancy seed.

Price..... Pound, 15c

**White Dutch Clover**—Many prefer a white clover lawn to any other grass. Fancy seed.

Price..... Pound, 30c

### SEED CORN.

**Holt's Mammoth**—Michigan grown.

Price..... Per bushel, \$2.00

**Pride of the North**—Michigan grown.

Price..... Per bushel, \$2.00

**Leaming Fodder**—

Price..... Per bushel, \$1.00

**Red Cob Ensilage**—

Price..... Per bushel, \$1.00

**Longfellow Eight Rowed**—

Price..... Per bushel, \$2.00

**Smut Nose**—

Price..... Per bushel, \$2.00

### NASTURTIUM.



**Dwarf Mixed Nasturtium**—This mixture will give a great variety of colors in even proportions. Price..... Ounce, 10c; ¼-lb., 30c; 1-lb., \$1.00

**Tall Mixed Nasturtium**—Contains all the choicest colors of the tall nasturtium; the flowers are larger than the old-fashioned kind.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 30c; 1-lb., \$1.00

**Madam Gunther's Hybrids**—For richness and variety of colors this hybrids excel all other nasturtiums; they are climbers and continuous bloomers.

Price.....Ounce, 10c;  $\frac{1}{4}$ -lb., 30c; 1-lb., \$1.00

### SWEET PEAS.

We have taken great pains to obtain a choice collection of sweet peas. The following varieties represent the choicest varieties of the list of these popular flowers.

#### White.

**Blanch Burpee**—Vines of strong growth, flowers snowy white on long strong stem.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Emily Henderson**—Pure white, earlier than the Blanch Burpee; very popular.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Queen of England**—

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Cupid Dwarf**—

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

#### Yellow.

**Golden Gleam**—Deep primrose yellow.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Primrose**—Creamy yellow.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

#### Pink.

**Apple Blossom**—Bright pink.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Lovely**—Shell pink.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Royal Robe**—Bright rose pink.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Katherine Tracy**—Soft rose pink, lighter at edges, large flower of strong growth, two on stem.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Lady Mary Currie**—Bright orange pink.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

#### Pink and White.

**Blanch Ferry**—Bright rose pink, wings creamy white, tinted with pink.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

#### Red and Scarlet.

**Brilliant**—Bright crimson scarlet, standard broad and slightly hooded.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Firefly**—Bright scarlet.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Salopian**—Flowers of large size, finely hooded, deep crimson.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Mars**—Glowing scarlet, wings heavily suffused with red.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Blue and White.****Maid of Honor**—Beautifully shaded with light blue on white ground edged with deep violet.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Maroon.****Black Knight**—Flowers of large size, a rich wine, brown or claret, wings heavily shaded with brownish purple.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Shazada**—Intensely dark maroon with a tint of purple in inner portion of wings.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Indigo King**—Rich purple maroon.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Boreatton**—Very dark crimson purple.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Striped and Variegated.****American**—Striped with bright blood red on white ground, very showy.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Aurora**—Flowers extra large, three on a stem, beautifully flaked with bright orange salmon on a creamy white ground.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Grey Friar**—General effect is grey, heavily shadowed purple markings on creamy white ground.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Lottie Hutchins**—Large flowers, delicately flaked and striped with light pink on creamy ground.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Senator**—Purplish maroon striped on a white ground.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Red and White Striped**—

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Lavender and Blue.****Countess of Radnor**—Large, light lavender with faint purple tinge.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Golden Gate**—Blended pinkish mauve and lavender.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Captain of the Blues**—Purplish blue wings and lavender purple.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Emily Eckford**—Flowers large, light rosy purple or redish mauve, wings blue.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

**Prize Mixture**—This mixture contains the cream of the new and standard sorts, carefully proportioned as to the composition. There is no better mixture to be found anywhere.

Price.....Ounce, 5c;  $\frac{1}{4}$ -lb., 15c; 1-lb., 50c

### FLOWER SEEDS IN BULK.



#### Asters.

**Improved Victoria**—Mixed colors,  $1\frac{3}{4}$  feet in height. The most handsome aster in cultivation.

Price.....Package, 10c;  $\frac{1}{8}$ -oz., 25c;  $\frac{1}{4}$ -oz., 45c

**New Giant Victoria White**—

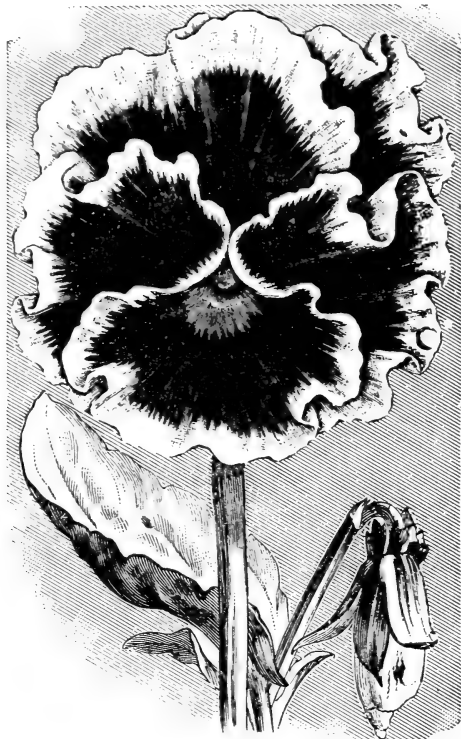
Price.....Package, 10c

**Giant Comet**—

Price.....Package, 10c

**Excelsior Mixture of Dwarf Asters**—

Price.....Package, 10c



**Grand Pansy Mixture**—This mixture contains all the richest colors of the large flowering pansies.

Price.....Package, 10c;  $\frac{1}{8}$  ounce, \$1.00

**Giant Zanzibar Castor Beans**—This plant attains a height of 10 to 14 feet, enormous leaves  $2\frac{1}{2}$  to nearly 4 feet across.

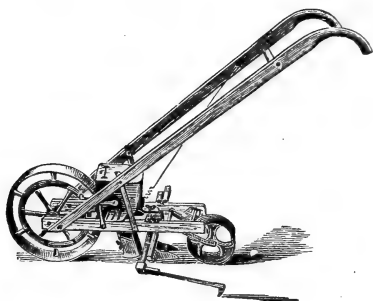
Price.....Package, 5c; ounce, 15c



**Mixed Ornamental Gourds**—Rapid growing climbers and desirable for many places where a large amount of vine is wanted.

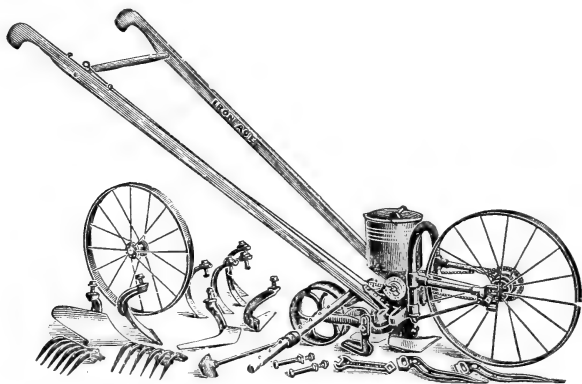
Price.....Package, 5c

## Iron Age Farm and Garden Tools



**NEW MODEL SEED DRILL.**

The best drill for market gardeners. The best value in material, durability and merit. Each drill tested, crated and carefully packed for shipment. Price.....\$7.50



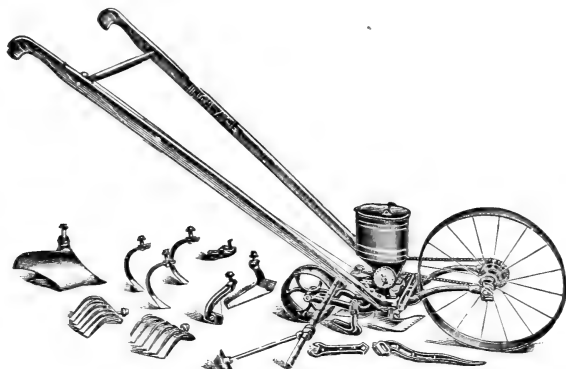
**No. 4 IRON AGE  
COMBINED DOUBLE WHEEL HOE DRILL SEEDER.**

The most practical and complete tool on the market. Easy to adjust and operate, light and strong.

Price, complete.....\$10.00

As Drill Seeder..... 7.00





No. L5.

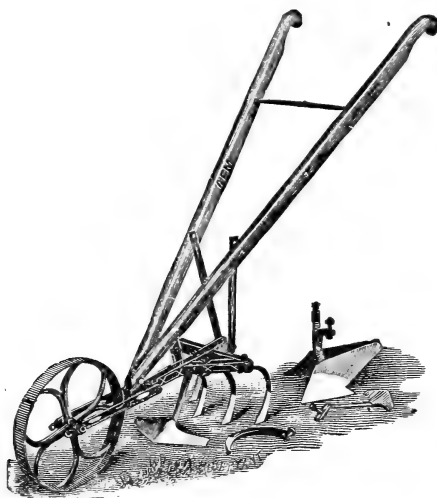
**COMBINED SINGLE WHEEL HOE, HILL AND DRILL SEEDER.**

Will place the seed accurately either in the hill or drill.

Price, as Hill Dropper Drill only.....\$7.50

No 18 Combined Single Wheel Hoe and Drill, similar to No. 47, without the hill dropping device.

Price .....\$9.00

**GEM OF THE GARDEN SINGLE WHEEL HOE.**

Gem Double Wheel Hoe.....\$5.50

Gem of the Garden, Single Wheel Hoe..... 4.50

Iron Age Single Wheel Hoe, No. 20..... 5.50

Iron Age Single Wheel Hoe, hoes only..... 3.50

Iron Age Double Wheel Hoe..... 6.60

Iron Age Double Wheel Hoe with side hoes only..... 3.75

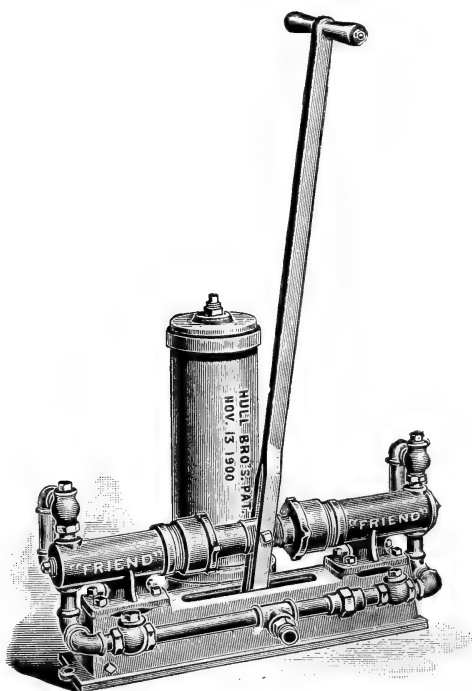
**THE BATEMAN HOE.**

Light and strong and just the thing for innumerable purposes. It is especially adapted for spading around fruit trees and in grassy lawn. Every fruit grower should have two or three of these hoes. Three sizes.

Price.....No. 1, 75c; No. 2, \$1.00; No. 3, \$1.25

**DRY POWDER GUN.**

Made similar to the atomizers but throws dry powder instead of liquid. This is a new invention and the best way to dust plants with Bug Death, Slug Shot, or Paris Green and land plaster. Just what farmers and gardeners have been looking for. Price.....75c

**SPRAY PUMPS.**

Manufactured by the Friend Mfg. Co., of Gasport, N. Y. The great superiority of this pump lies in the easy running (a boy twelve years old can drive and furnish all the power needed for two lines of hose), the great

amount of force produced by the compression of air in the air dome sending the liquid out in the finest spray. Economy of material and durability. Several of these pumps have been in use near Grand Rapids for the past four years and they are just as good to-day as when they came from the factory. Price, pump alone without hose or attachments.....\$25.00

### ARMOUR'S FERTILIZERS.

**Armour's Grain Grower**—Especially adapted for the growing of all cereals and for general farm use; quick and lasting.

Analysis: Ammonia, 2%; Available Phos. Acid, 8%; Potash K O, 2%.

Price per ton.....\$23.00

**Fruit and Root Crop Special**—For fruit trees and small fruits, grapes, etc., potatoes, beets, onions and all root crops.

Analysis: Ammonia, 2%; Available Phos. Acid, 8%; Potash K O, 5%.

Price per ton.....\$28.00

**Bone, Blood and Potash**—Made of dissolved bone meal, dried blood and with potash in the form of sulphate and nitrogen in the form of nitrate of soda added. It is especially adapted for the culture of celery, asparagus, corn, fruits, grapes, tomatoes, cucumbers, melons, squash and wherever a very concentrated fertilizer is wanted.

Analysis: Ammonia, 5%; Available Phos. Acid, 8%; Potash K O, 7%.

Price per ton.....\$38.00

**Wheat, Corn and Oat Special**—For all cereal crops.

Analysis: Ammonia, 1%; Available Phos. Acid, 8%; Potash K O, 1%.

Price per ton.....\$20.00

**Bone Meal**—Made from pure finely ground bone, steamed in vats and thus rendered readily available in the soil, largely used for fruit, with either wood ashes or Muriate of Potash.

Analysis: Ammonia, 3%; Available Phos. Acid, 24%.

Price per ton.....\$25.00

### JONES' FLIZIP.

The great fly remedy for cows, horses and sheep. How would you like to be a cow and have the flies bite you? Think of the long weary summer days and the warm dreary summer nights of torment. It is not only the protection of your animals from flies, lice, mites and other vermin but it is money in your pocket to use Flizip; it is cheap, as 1 gallon properly applied will keep 25 cows free from flies for two weeks. The feed saved will more than pay the cost and you will gain in the increase of flesh and the increased production of milk. Price per gallon, \$1.00. Express prepaid to Michigan points.



Pat. March 16 and Nov. 9, 1897.

Pat. in Canada Nov. 2, 1897,  
and Jan. 25, 1900.

### INSECTICIDE.

**Bug Death**—This insecticide and plant food combined has been on the market for six years and its sales have shown a large increase each year. We can say to our customers that we give Bug Death our fullest indorsement. While the first cost to kill the bugs on an acre of potatoes is rather more than the arsenical insecticide, the results at harvesting time are entirely satisfactory, and where practical tests have been made the extra marketable potatoes has more than paid the entire expense. It is non-poisonous which makes it perfectly safe to use on all plants or vines. Very beneficial results are obtained by using Bordeaux mixture in connection with Bug Death, and they can be mixed and sprayed on the vines at the same time, with any of the spraying machines on the market for that purpose. Bug Death prevents blight.

**Reduction in Price**—The manufacturers, at the request of the trade and many customers, have added a 100-lb. keg, which will be appreciated by the farmers, as it reduces the cost per pound. Put up in packages as follows: Trade-mark on each package.

Price....1-lb., 15c; 3-lbs., 35c; 5-lbs., 50c; 12½-lbs., \$1.00; 100-lbs., \$7.00

**Hammond's Slug Shot**—Kills the currant worm, potato bug, cabbage worm, slugs and aphids on roses, caterpillars, bugs on melons and cucumbers, cut worms, lice on fowls, curculios on plums, tobacco worms, etc.

Price, 5-lb. package.....30c

**Tobacco Dust**—Fertilizer and insecticide, lice on lettuce.

Price.....per 5-lb. package, 25c; 15-lb., 60c; 100-lb., \$2.00

**Twemlow's Old English Glazing Putty Semi-Liquid and Elastic**—For bedding glass in sash or for filling cracks or seams in roof joints or frames of green houses or hot beds; lasts from 5 to 7 years.

Price.....Per 1 gallon, \$1.25; 5 gallon lots, \$1.20 per gallon.

